

Turkish Journal of Electrical Engineering & Computer Sciences

Turkish Journal

of

Artificial Neural Design of Microstrip Antennas

Electrical Engineering &
Computer Sciences

Nurhan TÜRKER, Filiz GÜNEŞ, Tülay YILDIRIM
Yıldız Technical University, Electronics and Communication
Engineering Department,

Yıldız, Beşiktaş, İstanbul-TURKEY

e-mail: nturker@yildiz.edu.tr, gunes@yildiz.edu.tr, tulay@yildiz.edu.tr



[Keywords](#)

[Authors](#)



elektrik@tubitak.gov.tr

Abstract: A general design procedure is suggested for microstrip antennas using artificial neural networks and this is demonstrated using rectangular patch geometry. In this design procedure, synthesis is defined as the forward side and then analysis as the reverse side of the problem. Worked examples are given using the most efficient materials.

Key Words: Microstrip antennas, artificial neural networks, reverse modeling

Turk. J. Elec. Eng. & Comp. Sci., **14**, (2006), 445-453.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Elec. Eng. & Comp. Sci.,vol.14,iss.3.](#)

[Scientific Journals Home Page](#)